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Re-evaluation Decision RVD2014-09

Isoxaben

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Re-evaluation Decision

Isoxaben is a selective pre-emergent herbicide that belongs to the benzamide group of pesticides. Two isoxaben products are currently registered in Canada under the authority of the *Pest Control Products Act*, including one technical grade active ingredient and one commercial class end-use product.

After a re-evaluation of isoxaben, Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the *Pest Control Products Act*, is granting continued registration of products containing isoxaben for sale and use in Canada. An evaluation of available scientific information found that products containing isoxaben do not present unacceptable risks to human health or the environment when used according to the conditions of registration, which include amended label directions. As a condition of the continued registration of isoxaben, label amendments are required for all end-use products. Appendix I lists the required label amendments. No additional data are requested at this time.

The PMRA's pesticide re-evaluation program considers potential risks, as well as value, of pesticide products to ensure they meet modern standards established to protect human health and the environment. Regulatory Directive DIR2012-02, Re-evaluation Program Cyclical Re-evaluation, presents the details of the cyclical re-evaluation approach, which is in line with the requirements of the *Pest Control Products Act*. Re-evaluation draws on data from registrants, published scientific reports, information from other regulatory agencies and any other relevant information available.

This re-evaluation decision[1] is consistent with the proposed re-evaluation decision stated in Proposed Re-evaluation Decision PRVD2014-04, *Isoxaben*. Please refer to PRVD2014-04 for the detailed Science Evaluation of the human health, environmental and value considerations underlying the re-evaluation decision. A reference list for all information used as the basis for the re-evaluation decision is also included in PRVD2014-04. No comments were received during the consultation process.

To comply with this decision, registrants of isoxaben products will be informed of the specific requirements affecting their product registration(s) and of the regulatory options available to them.

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1 "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

Other Information

Any person may file a notice of objection[2] regarding this decision on isoxaben within 60 days from the date of publication of this Re-evaluation Decision document. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticides and Pest Management portion of Health Canada's website (Request a Reconsideration of Decision) or contact the PMRA's Pest Management Information Service.

[2] As per subsection 35(1) of the *Pest Control Products Act*.

Appendix I Label Amendments for End-Use Products Containing Isoxaben

The label amendments presented below do not include all label requirements for individual end-use products, such as first aid statements, disposal statements, precautionary statements and supplementary protective equipment. Information on labels of currently registered products should not be removed unless it contradicts the label statements below.

A submission to request label revisions is required within 90 days of finalization of the re-evaluation decision.

I) Under **PRECAUTIONS**, the following statement must be removed:

> Wear coveralls during all activities and chemical-resistant gloves during mixing, loading, clean-up and repair activities.

and replaced by:

> Wear a long-sleeved shirt and long pants during all activities and chemical-resistant gloves during mixing, loading, clean-up and repair activities.

II) The following statements must be included in a section entitled **DIRECTIONS FOR USE**.

> As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.
>
> DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
>
> Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine/medium/coarse classification. Boom height must be 60 cm or less above the crop or ground.
>
> **DO NOT** apply by air.
>
> **Buffer zones:**
>
> The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, wood lots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat	Estuarine/Marine Habitat	Terrestrial habitat
Field sprayer	Conifer bareroot and container grown nursery stock, containerized ornamentals	1	1	3

III) The following statements must be included in a section entitled **ENVIRONMENTAL HAZARDS**.

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

IV) The following statements must be included in a section entitled **STORAGE**.

To prevent contamination store this product away from food or feed.